

B.A.R.G. NEWS

Official Newsletter of the Ballarat Amateur Radio Group. Inc. #6953T

ABN 44 247 200 143

VOLUME 27 ISSUE 4 **APRIL 2004**

PRESIDENT: Gordon Cornell VK3FGC SECRETARY: John Kennedy VK3AIG TREASURER: Bob Terrill VK3BNC

NEXT MEETING - FRIDAY 30 APRIL 2004

At 7.30 pm

FROM THE PRESIDENT/EDITOR

With all the activities of the club and as we get further through the year, it is time for members to think of their activities for the next club year. Time to think of nominations for the committee. I will have been president for two terms and I think this is long enough, so please give it some thought. You have a few months to consider!
Gordon VK3FGC

DATES

Club meetings the last Friday each month starting at 7.30 pm

COMMITTEE please note that meetings (3rd Wednesday in the month) will also start at 7.30.

Next PUB NIGHT: Venue City Oval Hotel Cnr. Pleasant & Mair Streets at 6.30 on Friday 21 May 2004. Choice of Chinese or Australian Meals. Attendees to confirm with Bob. VK3BNC

Construction Nights Construction nights are held on the second Monday each month at 7.30 .

WICEN Net : Tuesday nights at 9.30 pm on 3.60 MHz + QRM etc. (Some times below 3.60) and after the net closes, a short check in on 40M at an agreed freq.

LETTERS TO THE EDITOR

This space is not left blank for any reason other than there have been no letters Please somebody write to me!!!

SICK LIST

The Club sends best wishes to Life Member Charlie VK3DCS who has been in hospital for a short period. We hope you are on the improve.

Ballarat Amateur Radio Group Inc

Minutes of General Meeting 26 March 2004

Meeting opened by President Gordon vk3fgc @2000 hrs

Apologies. David vk3ur. Stewart vk3ash.

Minutes as read and circulated. Moved vk3aig/vba. Carried

Correspondence. A/c from Q.S.T. Letter from Neighbour Cable rejecting application written by Treasurer for part sponsorship. All correspondence on this matter held by Treasurer.

Financial. Report and details presented. Moved vk3bnc/dcs. Carried.

Reports. Technical. Ian vk3axh Timer reset vk3rba.

Lee Roberts advised to go ahead and install antenna vk3rwa. W.I.A. to meet costs on the above.

Education Nil

Club Nets. Clem vk3bvi reported 9, on local net. Invited more Club members to take part.

Ian vk3cis reported usual numbers. No time change. Remains at 2000 hrs all year around. Sunday May 9 B.B.Q. at Halls Gap.

Publicity. Nil.

General Business. Gordon vk3fgc reported on very successful field day at Flagstaff Hill. All bands in action and good time had by all.

Dinner Group Pleasant night at Cape Clear. Next get together Brown Hill Hotel.

Web Page. Open forum to take suggestion for final run at next meeting

Daylight Saving start time now reverts to 1930hrs start time.

City Council investigating leak on rear porch Club Rooms. Gordon vk3fgc to discuss the possibility of alterations to accommodate future trailer and report back.

Doug vk3vba spoke on special events station for Eureka 150 years. Ian vk3axh to outline the proposal with A.C.A. and report back.

I.R.L.P. Present outcome and discussions regarding the negotiations with Providers outlined to meeting. Meeting decided to remain with Neighbour Hood Cable with a max of 350 megabite/month. Any data above will be an extra. This will be on a three month trial basis at a cost of \$35.00/m Moved vk3axh/dcs Carried.

Stephen vk3heg informed meeting he has withdrawn from agreement with B.A.R.G. regarding cost sharing of I.R.L.P. due to the uncertainty of the present arrangements.

Gordon vk3fgc welcomed the Geelong Radio and Electronic Group to the meeting.

Ian vk3axh reported that a 6 volt screwdriver is available and with testing the latter has much more torque. Ian explained to Geelong Group the construction details of driver.

Bob vk3bnc gave a demonstration of a Field Strength Meter he has put together. Good for finding max strength with the above antenna.

Craig vk3cmc to give talk and demo on antenna traps after meeting,
Meeting closed 2100 hrs

JOHN MOYLE FIELD DAY

The Club took part in the Field Day on 20-21 March this year . The following members took part VK3s CFH John, BNC Bob, AXH Ian, FGC. Gordon, AIG John, NBV Bob, VBA Doug and IDL Ian. The first unusual point is that all who indicated the intention to attend arrived.

We were originally going out to Gordon but at the last minute changed to Flag staff Hill near Linton. First problem John, Bob & Gordon went to the Club on Thursday to try to put up the tent: no poles, we searched, no luck, so, while we thought about the problem, we decided to get down the aerial masts and so turned up the tent poles, assembled the tent, packed it up and went home. Friday loaded a trailer with tent, generator etc. ready for Saturday.

9.30 Saturday we set out led by the "night man" John CFH towing the portable toilet. The Convoy grew as we arrived at the destination. (Ian AXH arrived and announced that he had left the 6 m beam behind, another 80 km round trip to go and get it. We put up the tent, prepared our "eating area" and put up di-poles for 80, 40, 20 bands (there was dispute about whether the mast was vertical- Ian IDL then produced a level from his truck – no more argument) while Ian AXH put up beams for "1296" 70 cm 6 m & 2m. The KVA's were positioned and lighting set up, so we began with all the team taking part. John CFH also acted as "cook" preparing hot water for coffee and lighting the BBQ. It had been decided the each person would be self sufficient for food. But the cook had prepared some curried chicken legs as an entrée for the evening meal.

Called it "quits" about 2345 for the day.

Up at a reasonable time on Sunday and after coffee, breakfast etc., back on the job till time was up.

We pulled down all equipment, loaded up, headed home, un loaded and most were home by about 1330.

A great weekend enjoyed by all and resolved to do it again next year

See later for the technical report

March Meeting Speaker

As those who attended this meeting will remember Craig VK3CMC gave an address on "Trapped Aerials" and his experiments and developments. He indicated at the end that he would make his list of references available. Here is the list as sent to the editor.

TRAPS & MULTIBAND ANTENNA.

A collated collection from past articles that may assist the reader interested in building multiband wire antennas and using them in a restricted space.

First collated 1987

Latest Mar 2004
Craig VK3CMC

- | | | |
|-----|--|----------------------|
| 1. | An antenna length chart
AR Sept 1986pp20, CQ Mar 1986 | George Warner K5KG |
| 2. | Aerials & Earths.
AR May 1986 pp22 | John Gazzard VK5JG |
| 3. | A trap tuned dipole for 80 & 40 M band.
AR Feb 1984 pp8-9 | VK3CO |
| 4. | Multiband dipoles for portable use.
HR May 1970 pp12 | Wm Orr W6SAI |
| 5. | Antenna Traps of Spiral Delay line.
QST Nov 1972 pp13 | Wm Lattin W4JRW |
| 6. | Light trap antennas- some thoughts.
QST Jun 1983 pp15-18 | W1FB |
| 7. | Dual frequency antenna traps.
QST Nov 1983 pp27 | W3JIP |
| 8. | Low cost Trap dipole.
Prac Wireless Feb 86 p26 | John Davies G3LJD |
| 9. | Multiband trap & parallel HF dipoles
– A comparison.
QST May 1985 pp26 | KA3BLO |
| 10. | The Mechanics of Coaxial Traps.
CQ mag sep1995 pp124 | Doug DeMaw W1FB |
| 11. | Traps for Multi band dipoles.
NERG NEWS Mar 1999 pp6 | Editorial staff |
| 12. | All about traps and trap antenna's.
HR Aug 1979 pp34-41 | W8FX |
| 13. | Trapping the mysteries of trapped antennas.
HR Oct 1981 | Gary O'Neil N3GO |
| 14. | Designing Trap antennas- A new approach
HR Aug 1987 pp60 | Yardley Beers W0JF |
| 15. | Practically Speaking Dipole antennas.
HR June 1987 pp53 | Joe Carr K4IPV |
| 16. | Horizontal ant above real ground. | Ralph Holland VK1BRH |

AR Oct 1996 p22 1st part article.

17. Horizontal Half Wave dipole
above a counterpoise.
AR Nov 1996 p12 2nd article part. Ralph Holland VK1BRH
18. An antenna for those other bands. WARC
Electronics Aust Jun 1985 p100 Brian Warman VK5BI
19. Coaxial cable traps –
In search of the perfect antenna. Paull Duff VK2GUT
20. Antenna systems for 80 and 40 meters.
Ham Radio Feb 1970 pp55 EH Conklin K6KA
21. Novice notes- Feedback on traps.
AR Dec 1982 pp70 Ron Cook VK3AFW
22. Random Radiators.
AR Jan 1990 pp46 Ron VK3AFW,
Ron VK3OM
23. Antenna trap Design using computer.
ARRL Handbook unk Ed pp100
See my typed BASIC listing. Larry East W1HUE
24. BASIC pgm listing for trap coax design ex Larry East design et al
25. High Frequency dipole antennas.
Ham Radio Jun 1989 p53 Joe Carr K4IPV
26. Ham Radio Techniques.
HR Jan 1981 pp68. Wm Orr W6SAI
27. The multimatch antenna system.
QST Mar 1955 pp22-23, 130 W3DZZ

FOR SALE
60 foot Triangular free standing

Base 4 foot
Contact Keith VK3AFI 5281 2264 Mobile 0439 343 292 e-mail vk3afi@netlink.com.au

WANTED

Secretary John VK3AIG is looking for a 10 to 12 metre mast (preferably in sections 6 or 12 foot)
Please contact John if you can help or give him a clew

CLUB WEB SITE

After a long time and thanks to Stephen VK3HEG & Doug VK3VBA the Club's Web Site is now up to date. The Club has been in discussions, a "sub-committee" of interested members met on the Monday after the last Club meeting and suggestions were put forward. A draft update was done and comments made by various members, then the final was put up. The site has been out of date for a couple of years (give or take) but now upto date. If you see any errors or information that could be included, please let Doug or the committee know. Thanks to those members who have been involved in the work.

WICEN

Mars Challenge:

The annual Mars Challenge was conducted on Sunday 18 April 04 by the Ballarat Canoe Club. WICEN members from Ballarat and Geelong providing safety nets for the event.

The event consists of a run starting at Sovereign Hill, up Mt. Buninyong and back down to the tennis courts, then a bike ride to Fyansford via Meridith, Maude and Bannochburn, the paddle a canoe to the mouth of the Baron River at Barwon Heads. The event is either a individual or team event with some 69 individuals and 86 teams starting.

Ballarat WICEN provided 5 stations Craig VK3CMC at Buninyong (who then left to go to the Hamvention) John VK3CFH at the turn off at Meridith Bob VK3NBV & Gail at Maude, Tom VK3DMK at Gherringhap and Gordon VK3FGC as net control on top of the hill at Fyansford. Gordon also acted as a sub-station of the Geelong leg of the event passing rider numbers as sent by Tom to the start of the canoe leg so that support canoes could get the canoe in the water by the time the rider arrived.

This was a successful exercise only requiring a minimum time of operators who were all home by 2.30

VK3BML – Ballarat Amateur Radio Group Summary Sheet

John Moyle 2004

Callsign VK3BML
Name Ballarat Amateur Radio Group BARG
Mailing Address PO Box 1261 Mail Centre, Ballarat, 335
Section Multi Operator – HF, VHF/UHF Phone

Number of Contacts	80m	Contacts 74	Points 113
40m	Contacts 113	Points 175	
	6m	Contacts 39	Points 812
	2m	Contacts 47	Points 894
	70cm	Contacts 35	Points 662
	23cm	Contacts 18	Points 242
			<u>Total 2898</u>

Location Flagstaff Lookout near Linton Victoria QF12sh
Equipment HF – Kenwood TS520, IC740 and - dipoles
6m - FT847 – 4 el yagi

2m – FT847 - 8 el yagi
70cm FT100D – 12 el yagi
23cm FT290R into Transverter – 24 el yagi
3 Petrol Generators

Names and Callsigns of Participants – Gordon Cornell -VK3FGC, Bob Terrill -VK3BNC, John Kennedy -VK3AIG, Ian McDonald - VK3AXH, Bob Pitcher -VK3NBV, Doug Raper - VK3VBA, John Hazeldine - VK3CFH, Ian Lloyd - VK3IDL.

Declaration: I hereby declare that this station was operated in accordance with the rules and spirit of the contest and that the contest managers decision will be accepted as final.

Signed: Ian McDonald VK3AXH, Field Day Coordinator, BARG
November 20, 2004

CLUB COMMITTEE

President:	Gordon Cornell	VK3FGC
Secretary:	John Kennedy	VK3AIG
Treasurer:	Bob Terrill	VK3BNC
Members:	Doug Raper	VK3VBA
	John Hazledine	VK3CFH
	Bob Pitcher	VK3NBV
	Ian Lloyd	VK3IDL
	Harry Hekkema	VK3KGL
	David Tilson	VK3UR

CLUB INFORMATION

REPEATERS	VK3RWA	(Voice) 147.100	Mt. Ben Nevis
	VK3RBA	(Voice) 146.750	Mt. Buninyong
	VK3RPC	(Packet) 144.750	Mt. Warrenheip
	VK3RBU	(Voice) 438.475	Mt. Hollowback
BEACON	VK3RMB	432.535	Mt. Buninyong.

CLUB NET VK3BML 3.610 MHz +/- QRM Thursday nights at 8 pm. E.S.T.(this is both summer & winter)

NEWS ITEMS should be sent to Gordon VK3FGC (e-mail Gordon.cornell@bigpond.com) or at the club mail at Box 1261 Mail Centre BALLARAT. 3354

CLUB e-mail vk3bml@barg.org.au.